

AGRICULTURAL OR INDUSTRIAL TIRE
WITH REINFORCED RUBBER COMPOSITION

Abstract of the Disclosure

5

The present invention is directed a pneumatic agricultural or industrial tire comprising a casing and a rubber tread disposed radially outwardly of the casing, the tread having an inner tread and a plurality of tread lugs projecting radially from the inner tread, said casing having at least one component, said component comprising 10 textile cord and a rubber composition in contact with the textile cord, the rubber composition comprising

100 parts by weight of at least one diene based elastomer, including from about 75 to about 15 parts by weight of polybutadiene and about 25 to about 85 parts by weight of at least one additional diene based elastomer selected from the group 15 consisting of styrene-butadiene rubber, synthetic polyisoprene and natural polyisoprene;

about 0.1 to about 8 parts by weight of at least one accelerator selected from benzothiazoles and dithiophosphates and exclusive of sulfenamides;

20 about 1 to about 15 parts by weight of at least one resin selected from phenol-formaldehyde resins, aliphatic cyclic hydrocarbon resins, and aromatic hydrocarbon resin;

about 10 to about 150 parts by weight of a filler selected from the group consisting of carbon black, silica, and starch/plasticizer composite filler; and

about 0.3 to about 3 parts by weight of sulfur;

25 wherein each lug has a width in a range of from 2 cm to 10 cm and length in a range of from 2 cm to 60 cm, and a height in a range of from 2 cm to 10 cm, and wherein the tread has a net-to-gross ratio in a range of from about 15 to about 40 percent as measured around the entire 360° circumference of a normally inflated and normally loaded tire contacting a flat hard surface.